

SENATE BILL NO. 386

94TH GENERAL ASSEMBLY

INTRODUCED BY SENATOR MAYER.

Read 1st time January 25, 2007, and ordered printed.

TERRY L. SPIELER, Secretary.

1145S.02I

AN ACT

To amend chapter 319, RSMo, by adding thereto sixteen new sections relating to blasting and excavation, with penalty provisions.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section A. Chapter 319, RSMo, is amended by adding thereto sixteen new sections, to be known as sections 319.300, 319.303, 319.306, 319.309, 319.312, 319.315, 319.318, 319.321, 319.324, 319.327, 319.330, 319.333, 319.336, 319.339, 319.342 and 319.345, to read as follows:

319.300. Sections 319.300 to 319.345 shall be known as the "Missouri Blasting Safety Act". The purpose of sections 319.300 to 319.345 shall be to foster the safe use of explosives in mining and construction by establishing and enforcing consistent statewide industry standards for licensing of blasters and persons using explosives. The provisions of sections 319.300 to 319.345 or any rules or regulations promulgated thereunder shall not be construed to amend, supersede, or conflict with any requirement of federal law or regulation governing the manufacturing, transporting, or storage of explosives.

319.303. As used in sections 319.300 to 319.345, the following terms shall mean:

(1) "Blaster", a person qualified to be in charge of and responsible for the loading and firing of an explosive or explosive material;

(2) "Blast", detonation of explosives;

(3) "Blasting", the use of explosives in mining, construction, seismology, demolition, or industrial cleaning;

(4) "Blast site", the area where explosives are handled during loading of a bore hole, including fifty feet in all directions from the

11 perimeter formed by loaded holes. A minimum of thirty feet may
12 replace the fifty feet requirement if the perimeter of loaded holes is
13 marked and separated from nonblast site areas by a barrier. The fifty
14 feet or thirty feet distance requirements, as applicable, shall apply in
15 all directions along the full depth of the bore hole;

16 (5) "Board", the state blasting safety board created in section
17 319.324;

18 (6) "Bore hole", a hole made with a drill, auger, or other tool in
19 which explosives are placed in preparation for detonation;

20 (7) "Burden", the distance from an explosive charge to the
21 nearest free or open face at the time of detonation;

22 (8) "Business day", any day of the week except Saturday, Sunday,
23 or a federal or state holiday;

24 (9) "Deck", charge of explosives separated from other charges by
25 stemming;

26 (10) "Delay period", the time delay provided by blasting caps
27 which permits firing of bore holes in sequence;

28 (11) "Detonation", the action of converting the chemicals in an
29 explosive charge to gases at a high pressure by means of a self-
30 propagating shock wave passing through the charge;

31 (12) "Detonator", any device containing initiating or primary
32 explosive that is used for initiating detonation of another explosive
33 material. A detonator may not contain more than ten grams of total
34 explosives by weight, excluding ignition or delay charges. The term
35 includes, but is not limited to, electric blasting caps of instantaneous
36 and delay types, blasting caps for use with safety fuse, detonating cord
37 delay connectors, and non-electric instantaneous and delay blasting
38 caps which use detonating cord, shock tube, or any other replacement
39 for electric leg wires;

40 (13) "Explosives", any chemical compound, mixture, or device, the
41 primary or common purpose of which is to function by explosion,
42 including, but not limited to, dynamite, black powder, pellet powder,
43 initiating explosives, detonators, millisecond connectors, safety fuses,
44 squibs, detonating cord, igniter cord, and igniters; includes explosive
45 materials such as any blasting agent, emulsion explosive, water gel, or
46 detonator. Explosive materials determined to be within the coverage
47 of sections 319.300 to 319.345 shall include all such materials listed in

48 18 U.S.C. Chapter 40, as issued at least annually by the Department of
49 Justice, Bureau of Alcohol, Tobacco, Firearms and Explosives;

50 (14) "Firing", causing explosives to be detonated by the use of a
51 fuse, electric detonator, or non-electric shock tube;

52 (15) "Fire protection official", an authorized representative of a
53 municipal fire department, fire protection district, or volunteer fire
54 protection association for the area where blasting occurs;

55 (16) "Fugitive from justice", any person who has fled from the
56 jurisdiction of any court of record to avoid prosecution for any crime
57 or to avoid giving testimony in any criminal proceeding. The term
58 shall also include any person who has been convicted of any crime and
59 has fled to avoid case disposition;

60 (17) "Initiation system", components of an explosive charge that
61 cause the charge to detonate, such as primers, electric detonators, and
62 detonating charge;

63 (18) "Loading", placing of explosives in a hole in preparation for
64 detonation;

65 (19) "Local government", a city, county, fire protection district,
66 volunteer fire protection association, or other political subdivision of
67 the state;

68 (20) "Person using explosives", any individual, proprietorship,
69 partnership, firm, corporation, company, or joint venture that is
70 required to hold authority to receive or use explosives under statutes
71 or regulations administered by the U.S. Department of Justice, Bureau
72 of Alcohol, Tobacco, Firearms and Explosives and who employs licensed
73 blasters;

74 (21) "Scaled distance", the linear distance, in feet, from the blast
75 to a specified location, divided by the square root of the maximum
76 weight of explosives, in pounds, to be detonated in any eight
77 millisecond period;

78 (22) "Seismograph", an instrument that measures ground
79 vibration and acoustic effects;

80 (23) "Spacing", the distance between adjacent bore holes;

81 (24) "Stemming", inert material that is placed above explosives
82 that have been placed in a blast hole in preparation for detonation or
83 vertically between columnar decks of explosives that have been placed
84 in a hole in preparation for detonation;

85 (25) "Uncontrolled structure", any dwelling, public building,
86 school, church, commercial building, or institutional building, that is
87 not owned or leased by the person using explosives, or otherwise under
88 the direct contractual responsibility of the person using explosives.

 319.306. 1. Any individual who owns, uses, possesses, or stores
2 explosives in Missouri shall obtain a blaster's license, except those
3 exempted in subsection 18 of this section. A person using explosives
4 shall not be required to hold a blaster's license, but all blasting on
5 behalf of a person using explosives shall be performed only by licensed
6 blasters. Applications for a blaster's license or renewal of a blaster's
7 license shall be on a form designated by the Missouri division of fire
8 safety, and shall contain the following:

- 9 (1) The applicant's full name;
- 10 (2) The applicant's home address;
- 11 (3) The applicant's date of birth;
- 12 (4) The applicant's sex;
- 13 (5) The applicant's physical description;
- 14 (6) The applicant's driver's license number;
- 15 (7) The applicant's current place of employment;
- 16 (8) A listing of any other blasting license or certification held by
17 the applicant, to include the name, address, and phone number of the
18 regulatory authority that issued the license or certification;
- 19 (9) Any other information required to fulfill the obligations of
20 sections 319.300 to 319.345.

21 2. Any individual who has met the qualifications set forth in
22 subsection 4 of this section may apply for a blaster's license.

23 3. An applicant for a blaster's license shall submit an application
24 fee and two copies of the applicant's photograph with the application
25 submitted to the division of fire safety. The amount of such fee shall
26 be established by rule promulgated by the division of fire safety. The
27 fee established by rule shall be no greater than the cost of
28 administering this section, but shall not exceed one hundred dollars.

29 4. An applicant for a blaster's license shall:

- 30 (1) Be at least twenty-one years of age;
- 31 (2) Not have willfully violated any provisions of sections 319.300
32 to 319.345;
- 33 (3) Not have knowingly withheld information or has not made

34 any false or fictitious statement intended or likely to deceive in
35 connection with the application;

36 (4) Have familiarity and understanding of relevant federal and
37 state laws relating to explosives materials;

38 (5) Not have been convicted in any court of, or plead guilty to,
39 a felony;

40 (6) Not be a fugitive from justice;

41 (7) Not be an unlawful user of any controlled substance in
42 violation of chapter 195, RSMo;

43 (8) Except as provided in subsections 11 and 13 of this section,
44 have completed an approved blaster's training course that meets the
45 requirements of subdivision (1) of subsection 14 of this section and has
46 successfully passed the licensing examination under the provisions of
47 subdivisions (1) to (5) of subsection 15 of this section;

48 (9) Have accumulated at least one thousand hours of experience
49 directly relating to the use of explosives within two years immediately
50 prior to applying for a blaster's license and shall provide signed
51 documentation from an employer, supervisor, or other responsible
52 party verifying the applicant's experience;

53 (10) Not have been adjudicated as mentally defective; and

54 (11) Be a citizen of the United States and not advocate or
55 knowingly belong to any organization or group that advocates violent
56 action against any federal, state, or local government, or against any
57 person.

58 5. Any individual holding a blaster's license under the provisions
59 of this section shall promptly notify the division of fire safety if he or
60 she has had any change of material fact relating to any qualification for
61 holding a blaster's license.

62 6. If the division of fire safety finds that the requirements for a
63 blaster's license have been satisfied, a license shall be issued to the
64 applicant.

65 7. A blaster's license shall expire three years from the date of
66 issuance. To qualify for a renewal of a blaster's license, an individual
67 will be required to provide documentation of completing eight hours of
68 training in an explosives-related course of instruction that is approved
69 by the division of fire safety, half of which shall have been completed
70 within the year prior to renewal. The remainder of such training for

71 renewal of the license may be acquired at any time during the three-
72 year period that a license is valid. Additional training beyond an
73 accumulated eight hours during any three-year period is not valid for
74 more than one subsequent renewal of the license.

75 8. Each license issued under the provisions of this section shall
76 provide documentation to the license holder in the form of a letter or
77 letter-sized certificate and a card that is approximately two inches by
78 three inches in size. Each shall specify a unique license number, the
79 name of the individual, his or her driver's license number, the
80 individual's photograph, the blaster's license's effective date and its
81 expiration date, and any other record-keeping information needed by
82 the division of fire safety. In addition, the card form of the license
83 shall contain a photographic image of the license holder.

84 9. (1) Each individual required to have a blaster's license shall:

85 (a) Keep at least one form of license documentation on his or her
86 person while blasting; and

87 (b) Provide documentation that he or she has a currently valid
88 license to a representative of the division of fire safety within two
89 business days of a written or verbal request;

90 (2) No enforcement action shall be taken against any individual
91 that cannot comply with the requirements of this subsection so long as
92 the division of fire safety's records provide documentation that the
93 individual has a valid blaster's license.

94 10. (1) A blaster's license issued under the provisions of this
95 section may be suspended or revoked by the division of fire safety upon
96 substantial proof that the individual holding the license has:

97 (a) Knowingly failed to monitor the use of explosives as provided
98 in section 319.309;

99 (b) Negligently or habitually exceeded the limits established
100 under section 319.312;

101 (c) Knowingly or habitually failed to create a record of blasts as
102 required by section 319.315;

103 (d) Had a change in material fact relating to their qualifications
104 for holding a blaster's license as described in subsection 4 of this
105 section;

106 (e) Failed to advise the division of fire safety of any change of
107 material fact relating to his or her qualifications for holding a blaster's

108 license; or

109 (f) Knowingly made a material misrepresentation of any
110 information by any means of false pretense, deception, fraud,
111 misrepresentation, or cheating for the purpose of obtaining training or
112 otherwise meeting the qualifications of obtaining a license.

113 (2) The division of fire safety shall provide any notice of
114 suspension or revocation, as provided in subdivision (1) of this
115 subsection, in writing, sent by certified mail to the last known address
116 of the holder of the license. The notice may also be verbal, but this
117 does not eliminate the requirement for written notice. Upon receipt of
118 a verbal or written notice of suspension or revocation from the division
119 of fire safety, the individual holding the license shall immediately
120 surrender all copies of the license to a representative of the division of
121 fire safety and shall immediately cease all blasting activity.

122 (3) The individual holding the license may appeal any suspension
123 or revocation to the state blasting safety board established under
124 section 319.324 within forty-five days of the date written notice was
125 received. The division of fire safety shall immediately notify the
126 chairman of the board that an appeal has been received and a hearing
127 before the board shall be held. The board shall consider and make a
128 decision on any appeal received by the division of fire safety within
129 thirty days of the date the appeal is received by the division of fire
130 safety. The board shall make a decision on the appeal by majority vote
131 of the board and shall immediately notify the licensee of its decision in
132 writing. The written statement of the board's decision shall be
133 prepared by the division of fire safety or its designee and shall be
134 approved by the chairman of the board. The approved statement of the
135 board's decision shall be sent by certified mail to the last known
136 address of the holder of the license.

137 11. Any individual whose license has been expired for a period
138 of three years or less shall be required to successfully pass the
139 examination as provided in subdivisions (1) to (5) of subsection 15 of
140 this section and attend the eight hours of training required for renewal
141 of a license as minimum qualifications for submitting an application for
142 reinstatement of the license. Any individual whose license has been
143 expired for a period of more than three years shall meet the
144 qualifications set forth in subsection 4 of this section, including

145 **completing twenty hours of training and passing the examination, prior**
146 **to applying for a blaster's license.**

147 **12. A license may be granted to applicants who within the last**
148 **three years have held a valid license or certification from any other**
149 **source if all of the qualifications for obtaining the license or**
150 **certification meet or exceed the provisions of this section. It is the**
151 **duty of the division of fire safety to investigate the qualifications**
152 **required for obtaining a license or certification from any other**
153 **source. Licenses or certification held prior to the effective date of the**
154 **rule required by subsection 19 of this section shall be deemed to meet**
155 **requirements for this subsection, provided that they meet requirements**
156 **of the rule.**

157 **13. A license may be granted upon the application of an**
158 **individual employed as a blaster on or before December 31, 2000, and**
159 **who has accumulated one thousand hours of training or education**
160 **pertaining to blasting and experience working for a specific person**
161 **using explosives within two years immediately prior to applying for a**
162 **license. The application shall include a statement of hours of**
163 **experience in the form of an affidavit signed by the person using**
164 **explosives who has employed or contracted with the blaster for the**
165 **preceding two years. Such applicant also shall meet the requirement**
166 **of subdivisions (1), (2), (3), (4), (5), (6), (7), (10), and (11) of subsection**
167 **4 of this section. Any individual granted a license under this**
168 **subsection shall be limited to blasting performed for the person using**
169 **explosives submitting the affidavit required by this subsection. Such**
170 **licensee shall meet the requirements for continuing training required**
171 **by subsection 7 of this section.**

172 **14. (1) The division of fire safety or its authorized agent shall**
173 **offer annually at least two courses of instruction that fulfill the**
174 **training requirement of qualifying for a blaster's license and two**
175 **courses that fulfill the training requirement for renewal of a blaster's**
176 **license. In addition, any person may apply to the division of fire safety**
177 **for approval of a course of instruction that meets the training**
178 **requirement of obtaining a blaster's license or renewal of a blaster's**
179 **license. The application shall include a description of the**
180 **qualifications of the instructor, a description of instructional materials**
181 **to be used in the course, and an outline of the subject matter to be**

182 taught, including minimum hours of instruction on each topic. The
183 division of fire safety shall review the application regarding the
184 knowledge and experience of proposed instructors, the total hours of
185 training and the adequacy of proposed training in subject matter with
186 regard to the provisions of sections 319.300 to 319.345. If the division
187 of fire safety determines that training proposed by the applicant is
188 adequate, a letter of approval shall be issued to the applicant. The
189 letter of approval shall be effective for a period of three years. If at
190 any time the division of fire safety determines that an approved
191 training course no longer meets the standards of this section, the letter
192 of approval may be revoked with written notice. The division of fire
193 safety or any person providing a course of instruction may charge an
194 appropriate fee to recover the cost of conducting such instruction.

195 (2) To be approved by the division of fire safety, a blaster's
196 training course shall contain at least twenty hours of instruction to
197 prepare attendees for obtaining a blaster's license the first time, or
198 eight hours of instruction to prepare attendees for obtaining a license
199 renewal.

200 (3) Any person providing training in a course of instruction
201 approved by the division of fire safety shall submit a list of individuals
202 that attended any such course to the division of fire safety within ten
203 business days after completion of the course.

204 (4) The division of fire safety shall maintain a current list of
205 persons who provide approved training and shall make this list
206 available by any reasonable means to professional and trade
207 associations, labor organizations, universities, vocational schools, and
208 others upon request.

209 15. (1) The division of fire safety shall approve a standard
210 examination or examinations for the purpose of qualifying an
211 individual to obtain a blaster's license. Each individual taking the
212 examination shall pay a fee to the division of fire safety, or the
213 division's agent, that is established by rule. Testing fees shall be no
214 greater than what is required to administer the testing provisions of
215 this section and shall not exceed fifty dollars per test.

216 (2) Except as provided in subsection 11 of this section, no
217 individual shall be allowed to take an examination for purposes of
218 obtaining a blaster's license unless that individual has completed a

219 training course approved by the division of fire safety. The individual
220 must have completed an approved course of instruction as provided in
221 subdivision (1) of subsection 14 of this section no longer than two years
222 prior to taking the examination. The examination may be administered
223 by any person approved to provide a course of instruction, as provided
224 in subdivision (1) of subsection 14 of this section, at the site of
225 instruction, provided that any such examination may, at the discretion
226 of the fire marshal, be conducted under the supervision of the state fire
227 marshal or his or her designee. The division of fire safety may also
228 administer such examinations at other times and locations.

229 (3) Standards for passing the examination shall be set by the
230 division of fire safety by rule.

231 (4) The division of fire safety or its authorized agent shall
232 provide a written statement within thirty days to the individual taking
233 the examination as to whether that individual passed or failed.

234 (5) Any individual failing to pass the examination may retake the
235 examination within six months without having to complete an
236 additional approved course of instruction. If the individual fails the
237 second examination, the person must complete another course of
238 instruction as required in subdivision (1) of subsection 14 of this
239 section before taking the examination again. No limit will be placed on
240 how many times any individual may take the examination, subject to
241 the provisions of this subdivision of this subsection.

242 (6) Individuals having previously taken an approved blaster's
243 training course, and passed an approved examination, and having
244 taken an approved blaster's renewal training course, or that have
245 obtained a blaster's license as provided in subsections 12 and 13 of this
246 section are eligible for renewal of a blaster's license after meeting the
247 requirements of subsection 7 of this section. The fee for renewal of a
248 license shall be the same as the fee specified in subsection 3 of this
249 section.

250 16. No individual shall load or fire explosives or direct, order, or
251 otherwise cause any individual to load or fire explosives in this state
252 unless that individual has a valid blaster's license or is under the direct
253 supervision and responsibility of an individual having a valid blaster's
254 license. For purposes of this section, "direct supervision" means the
255 supervisor is physically present on the same job site as the individual

256 who is loading or firing explosives. An individual without a blaster's
257 license who is loading or firing explosives while under the direct
258 supervision and responsibility of someone having a blaster's license
259 shall not be in violation of sections 319.300 to 319.345.

260 17. Persons found guilty of loading or firing explosives, or
261 directing, ordering, or otherwise causing any individual to load or fire
262 explosives in this state without having a valid blaster's license, or that
263 loads and fires explosives without being under the direct supervision
264 and responsibility of an individual holding a blaster's license as
265 provided in sections 319.300 to 319.345, shall be guilty of a class B
266 misdemeanor for the first offense or a class A misdemeanor for a
267 second or subsequent offense. Any individual convicted of a class A
268 misdemeanor under the provisions of sections 319.300 to 319.345 shall
269 be permanently prohibited from obtaining a blaster's license in this
270 state.

271 18. The requirement for obtaining a blaster's license shall not
272 apply to:

273 (1) Individuals using explosive materials in the forms prescribed
274 by the official U.S. Pharmacopoeia or the National Formulary and used
275 in medicines and medicinal agents;

276 (2) Individuals conducting training or emergency operations of
277 any federal, state, or local government including all departments,
278 agencies, and divisions thereof, provided they are acting in their
279 official capacity and in the proper performance of their duties or
280 functions;

281 (3) Individuals that are members of the armed forces or any
282 military unit of Missouri or the United States who are using explosives
283 while on official training exercises or who are on active duty;

284 (4) Individuals using pyrotechnics, commonly known as
285 fireworks, including signaling devices such as flares, fuses, and
286 torpedoes;

287 (5) Individuals using small arms ammunition and components
288 thereof which are subject to the Gun Control Act of 1968, 18 U.S.C.,
289 Section 44, and regulations promulgated thereunder;

290 (6) Any individual having a valid blaster's license or certificate
291 issued under the provisions of any requirement of the U.S. government
292 in which the requirements for obtaining the license or certificate meet

293 or exceed the requirements of sections 319.300 to 319.345;

294 (7) Individuals handling explosives while in the act of
295 transporting them from one location to another;

296 (8) Individuals assisting or training under the direct supervision
297 of a licensed blaster;

298 (9) Individuals handling explosives while engaged in the process
299 of explosives manufacturing; and

300 (10) Individuals discharging historic firearms and cannon or
301 reproductions of historic firearms and cannon.

302 19. The division of fire safety shall promulgate rules under this
303 section to become effective no later than July 1, 2008. Any individual
304 loading or firing explosives after the effective date of such rule shall
305 obtain a license within one-hundred eighty days of the effective date of
306 such rule. Any experience or training prior to the effective date of
307 such rule that meets the standards established by the rule shall be
308 deemed to comply with this section.

319.309. 1. Any person using explosives in the state of Missouri
2 shall calculate the scaled distance to the nearest uncontrolled
3 structure. If more than one uncontrolled structure is the same
4 approximate distance from the blast site, then the person using
5 explosives may select one representative structure for calculation of
6 scaled distance.

7 2. For the purposes of this section, the term "uncontrolled
8 structure" shall not apply to the following:

9 (1) Buildings in a state of disrepair or neglect which are not
10 being used as a permanent residence;

11 (2) Noncommercial storage sheds;

12 (3) Temporary structures;

13 (4) Any unoccupied mobile recreational vehicle, trailer, or
14 camper;

15 (5) Agricultural barns, storage sheds, and animal shelters;

16 (6) Any building on mine property that is owned by the mine
17 operator or contained on property leased by the mine operator.

18 3. In any instance when the scaled distance value is fifty-five or
19 less, any person using explosives, except as provided in section 319.321,
20 shall use at least one seismograph calibrated to the manufacturer's
21 standard for use to record the ground vibration and acoustic levels that

22 occur from the use of such explosives or explosive materials. When
23 measuring ground vibration and acoustic levels, the seismograph shall
24 be placed in the proximity of the nearest uncontrolled structure or, at
25 the option of the person using explosives, closer to the blast site. If
26 more than one uncontrolled structure is the same approximate distance
27 from the blast site, then the person using explosives may select one
28 representative structure for placement of the seismograph.

29 4. Any person using explosives who is voluntarily using a
30 seismograph calibrated to the manufacturer's standard for use for all
31 blasting is exempt from the requirements of this section.

319.312. 1. (1) Any person using explosives in the state of
2 Missouri in which monitoring with a seismograph is required, as
3 provided in section 319.309, shall comply with ground vibration limits
4 based on the U.S. Bureau of Mines Report of Investigations 8507,
5 Appendix B.

6 (2) In lieu of the ground vibration limit established in
7 subdivision (1) of this subsection, the person using explosives may
8 submit a written request to the division of fire safety to use an
9 alternate compliance method. Such written request must be supported
10 by sufficient technical information, which may include but not be
11 limited to, documented approval of such method by other federal, state,
12 or local political subdivisions which regulate the use of
13 explosives. Upon submittal by the person using explosives of a request
14 to use an alternate compliance method, the state blasting safety board
15 shall issue a written determination as to whether the technical
16 information submitted provides sufficient justification for the alternate
17 method to be used as a method of demonstrating compliance with the
18 provisions of this section.

19 2. Any person using explosives in the state of Missouri in which
20 monitoring with a seismograph is required, as provided in section
21 319.309, shall limit acoustic values from blasting to one hundred thirty-
22 three decibels using a two hertz flat response measuring system based
23 on the Office of Surface Mining regulation 816.67(b)(1)(I).

319.315. 1. Seismograph recordings of the ground vibration and
2 acoustic levels created by the use of explosives, when required by
3 section 319.309, shall be retained for at least three years. Such
4 recordings shall be made available to the division of fire safety within

5 twenty-four hours of a request by any representative of the division of
6 fire safety. Each seismograph recording and the accompanying records
7 shall include the:

8 (1) Maximum ground vibration and acoustics levels recorded;

9 (2) Specific location of the seismograph equipment, its distance
10 from the detonation of the explosives, the date of the recording, and the
11 time of the recording;

12 (3) Name of the individual responsible for operation of the
13 seismograph equipment and performing an analysis of each recording;
14 and

15 (4) Type of seismograph instrument, its sensitivity and
16 calibration signal or certification date of the last calibration.

17 2. When seismograph recordings of the use of explosives are
18 required by section 319.309, a record of each such use of explosives
19 shall be made and retained for at least three years. The record shall be
20 completed by the end of the business day following the day in which
21 the explosives were detonated. Such records shall be made available
22 to the division of fire safety, upon request, within twenty-four hours of
23 the request. Except as provided in subsection 3 of this section, each
24 record shall include the:

25 (1) Name of the person using the explosives;

26 (2) Location, date, and time of the detonation;

27 (3) Name of the licensed blaster responsible for use of the
28 explosives;

29 (4) Type of material blasted;

30 (5) Number of bore holes, burden, and spacing;

31 (6) Diameter and depth of bore holes;

32 (7) Type of explosives used;

33 (8) Weight of explosives used per bore hole and total weight of
34 explosives used;

35 (9) Maximum weight of explosives detonated within any eight
36 millisecond period;

37 (10) Maximum number of bore holes or decks detonated within
38 any eight millisecond period;

39 (11) Initiation system, including number of circuits and the timer
40 interval, if a sequential timer is used;

41 (12) Type and length of stemming;

- 42 **(13) Type of detonator and delay periods used, in milliseconds;**
43 **(14) Sketch of delay pattern, including decking;**
44 **(15) Distance and scaled distance, if required under the**
45 **provisions of section 319.309, to the nearest uncontrolled structure;**
46 **(16) Location of the nearest uncontrolled structure, using the**
47 **best available information.**
- 48 **3. If the type of blasting being recorded by a seismograph does**
49 **not involve bore holes, then the record required in subsection 2 of this**
50 **section shall contain the:**
- 51 **(1) Name of the person using the explosives;**
52 **(2) Location, date, and time of the detonation;**
53 **(3) Name of the licensed blaster responsible for use of the**
54 **explosives;**
55 **(4) Type of material blasted;**
56 **(5) Type of explosives used;**
57 **(6) Weight of explosives used per shot and total weight of**
58 **explosives used;**
59 **(7) Maximum weight of explosives detonated within any eight**
60 **millisecond period;**
61 **(8) Initiation system, including number of circuits and the timer**
62 **interval, if a sequential timer is used;**
63 **(9) Type of detonator and delay periods used, in milliseconds;**
64 **(10) Sketch of delay pattern;**
65 **(11) Distance and scaled distance, if required under the**
66 **provisions of section 319.309, to the nearest uncontrolled structure;**
67 **(12) Location of the nearest uncontrolled structure, using the**
68 **best available information.**
- 69 **4. It shall be the duty of each licensed blaster and each person**
70 **using explosives to assure that the requirements of this section are**
71 **met. Any person using explosives shall provide properly calibrated**
72 **seismographic equipment at the closest practical proximity to the**
73 **nearest uncontrolled structure, or at the option of the person using**
74 **explosives the seismograph equipment may be located nearer to the**
75 **blast site on an approximate line between the nearest uncontrolled**
76 **structure and the blast site. Licensed blasters shall create the record**
77 **required in subsection 2 or subsection 3 of this section and provide**
78 **such record to the person using explosives, who shall be responsible for**

79 maintaining records required in this section.

319.318. 1. Any person using explosives shall comply with the
2 provisions of this section.

3 2. Provisions of federal law and regulation regarding the
4 manufacturing, transportation, distribution, and storage of explosives
5 shall be enforced by the appropriate federal agency and shall not be
6 subject to enforcement under sections 319.300 to 319.345.

7 3. Within sixty days after the effective date of sections 319.300 to
8 319.345, each person using explosives or intending to use explosives in
9 Missouri shall register with the state fire marshal. Any person using
10 explosives who is not required to register on the effective date, who
11 subsequently uses explosives in Missouri, shall register with the state
12 fire marshal prior to first using explosives in Missouri. The initial
13 registration shall state the name of the person, address, telephone
14 number, facsimile number, e-mail address, and name of the principal
15 individual having responsibility for supervision of the use of
16 explosives. A fee of six hundred dollars shall be submitted with the
17 initial registration, one hundred dollars of which shall constitute a
18 registration fee and five hundred dollars of which shall constitute a
19 prepayment of the fee required in subsection 4 of this section.

20 4. Each person using explosives that is required to register
21 under subsection 3 of this section shall by January thirty-first of each
22 year after registering, file an annual report with the state fire marshal
23 for the preceding calendar year.

24 (1) The initial annual report shall only include that portion of
25 the preceding calendar year after the date the person became subject
26 to the requirement to register under subsection 3 of this section.

27 (2) The report shall include:

28 (a) Any change or addition to the information required in
29 subsection 3 of this section;

30 (b) The name and address of the distributors from which
31 explosives were purchased;

32 (c) The total number of pounds of explosives purchased for use
33 in Missouri and the total number of pounds actually used in Missouri
34 during the period covered by the report. Persons required to report
35 annually shall maintain records sufficient to prove the accuracy of the
36 information reported;

37 (d) The total number of pounds of explosives purchased for, or
38 anticipated to be purchased for, use in Missouri during the following
39 year.

40 (3) The person using explosives shall submit with the annual
41 report a fee per ton, as established under this section, based on the
42 amount of explosives used in Missouri. If the report of total pounds
43 used results in a portion of a ton, the cumulative total of the fee shall
44 be rounded to the nearest ton. The fee shall be five hundred dollars
45 plus one dollar and fifteen cents per ton of explosives used. Any fees
46 prepaid, either in conjunction with the registration fee in subsection
47 3 of this section or with the previous year's annual report as in
48 subdivision (4) of this subsection, shall be deducted from the balance
49 owed. The fee per ton authorized under this subdivision may be
50 adjusted by rule provided the fee shall not exceed one dollar and fifty
51 cents per ton. The state blasting safety board shall review the fee
52 schedule on a biennial basis and make recommendations for
53 adjustments.

54 (4) The person using explosives shall submit with the annual
55 report a prepayment of five hundred dollars to be credited toward the
56 fees required to be paid with the following year's annual report.

57 5. (1) The state fire marshal may audit the records of any person
58 using explosives required to report annually under subsection 4 of this
59 section to determine the accuracy of the number of pounds of
60 explosives reported. In connection with such audit, the state fire
61 marshal may also require any distributor of explosives to provide a
62 statement of sales during the year to persons required to report under
63 subsection 4 of this section.

64 (2) It shall be a violation of sections 319.300 to 319.345 to fail to
65 register as required by subsection 3 of this section or knowingly report
66 false information in the reports required under subsections 3 and 4 of
67 this section. The state fire marshal may issue a notice of violation for
68 reporting false information. The notice of violation shall be subject to
69 the same procedures and rights of appeal as established in sections
70 319.324, 319.327, and 319.333. Upon conviction for knowingly filing a
71 false report, the person using explosives shall be subject to a penalty
72 as a class B misdemeanor. Conviction upon a second or subsequent
73 offense shall be subject to a penalty as a class A misdemeanor.

74 **6. It shall be a violation of sections 319.300 to 319.345 for any**
75 **person using explosives to:**

76 **(1) Engage in blasting other than by a licensed blaster or an**
77 **individual working under the direct supervision of a licensed blaster;**

78 **(2) Fail to calculate the scaled distance, conduct monitoring of**
79 **vibration and noise levels, and conduct record keeping as required by**
80 **sections 319.300 to 319.345;**

81 **(3) Fail to carry a minimum of one million dollars in commercial**
82 **general liability insurance.**

83 **7. A violation of subsection 6 of this section shall be a class B**
84 **misdemeanor for the first offense, and a class A misdemeanor for a**
85 **second or subsequent offense.**

319.321. Sections 319.309, 319.312, 319.315, and 319.318 shall not
2 **apply to:**

3 **(1) The use of explosive materials in the forms prescribed by the**
4 **official U.S. Pharmacopoeia or the National Formulary and used in**
5 **medicines and medicinal agents;**

6 **(2) The training or emergency operations of any federal, state,**
7 **or local government including all departments, agencies, and divisions**
8 **thereof, provided they are acting in their official capacity and in the**
9 **proper performance of their duties or functions;**

10 **(3) The use of explosives by the military or any agency of the**
11 **United States;**

12 **(4) The use of pyrotechnics, commonly known as fireworks,**
13 **including signaling devices such as flares, fuses, and torpedoes;**

14 **(5) The use of small arms ammunition and components thereof**
15 **which are subject to the Gun Control Act of 1968, 18 U.S.C., Section 44,**
16 **and regulations promulgated thereunder. Any small arms ammunition**
17 **and components thereof exempted by the Gun Control Act of 1968 and**
18 **regulations promulgated thereunder are also exempted from the**
19 **provisions of sections 319.300 to 319.345; and**

20 **(6) Individuals discharging historic firearms and cannon or**
21 **reproductions of historic firearms and cannon.**

319.324. 1. The state blasting safety board is hereby created and
2 **assigned to the division of fire safety under the state fire**
3 **marshal. There shall be seven members of this board, as appointed by**
4 **the governor, with the advice and consent of the senate, to be**

5 **comprised of:**

6 (1) One representative of a municipality who serves in the
7 capacity of director of public works or a similar position;

8 (2) One representative of a person using explosives that is
9 engaged in surface mining that is subject to the requirements of section
10 319.300 to 319.345;

11 (3) One representative of a person using explosives that is
12 engaged in construction;

13 (4) One person who is in the business of providing contract blast
14 monitoring services;

15 (5) Two persons who manufacture or distribute explosives; and

16 (6) The state fire marshal or his or her designee.

17 2. Each board member shall serve for a term of six years, except
18 for the members initially appointed one term shall be for one year, one
19 term shall be for two years, one term shall be for three years, one term
20 shall be for four years, one term shall be for five years, and one term
21 shall be for six years. Members appointed and serving shall serve until
22 their successor is named and shall be eligible for reappointment. The
23 state fire marshal or his or her designee shall be a standing member of
24 the board and shall have the power to vote.

25 3. Members of the board shall serve without compensation but
26 may be reimbursed by the division of fire safety for reasonable and
27 necessary expenses. Meetings of the board shall be held in facilities
28 arranged by the division of fire safety. Hearings of the board may be
29 held at a location in Missouri agreed upon by the state fire marshal and
30 the chairman of the board. Upon agreement by the licensee, the state
31 fire marshal, and the chairman of the state blasting safety board,
32 hearings may be conducted by conference call.

33 4. The board shall annually by January thirty-first elect a
34 chairman from one of the members other than the state fire marshal or
35 his or her designee. The chairman shall be elected by majority vote of
36 the board and shall preside over all meetings and hearings and perform
37 any specific duties set out in sections 319.300 to 319.345.

38 5. The state fire marshal or his or her designee shall perform the
39 duties of secretary of the board.

40 6. The board shall meet as needed at the call of the chairman or
41 upon written notice by the state fire marshal. The board shall meet at

42 least once each calendar year.

43 7. It shall be the duty of the board to:

44 (1) Advise the state fire marshal in the development of
45 application and registration forms, training and examinations, and
46 setting fees for the filing of required applications, registrations, and
47 reports;

48 (2) Approve or disapprove any examination for licensing of
49 blasters;

50 (3) Hold hearings and make decisions by majority vote upon
51 appeals under section 319.306 and upon notices of violation under
52 section 319.333;

53 (4) Approve or disapprove any rule proposed by the division of
54 fire safety for the administration of sections 319.300 to 319.345;

55 (5) Advise or assist the division of fire safety in any other matter
56 regarding administration or enforcement, within the scope and
57 requirements of sections 319.300 to 319.345.

58 8. For any matter upon which a hearing is held under
59 subdivision (3) of subsection 7 of this section, any referral of a notice
60 of violation or request for criminal or civil enforcement action or
61 injunctive relief shall be made by the state fire marshal to the attorney
62 general or a prosecuting attorney, only upon a majority vote by the
63 board.

319.327. 1. It shall be the duty of the division of fire safety to:

2 (1) Develop and distribute all forms, certificates, and printed
3 material necessary for carrying out duties relating to applications,
4 registrations, training, testing, and licensing required by sections
5 319.300 to 319.345;

6 (2) Publish, distribute, and administer an examination that tests
7 the knowledge of applicants for a blaster's license in the safe and
8 proper use of explosives. The examination may be given to applicants
9 by representatives of the division of fire safety, by persons approved
10 by the division of fire safety to provide training under section 319.306,
11 or by other persons designated by the division of fire safety;

12 (3) Upon approval by majority vote of the state blasting safety
13 board, promulgate any rule necessary for carrying out the purposes of
14 sections 319.300 to 319.345. No rule promulgated by the state fire
15 marshal shall duplicate, amend, supersede, or conflict with the

16 provisions of any statute, regulation, or policy established by:

17 (a) The U.S. Department of Justice, Bureau of Alcohol, Tobacco,
18 Firearms and Explosives;

19 (b) 18 U.S.C., Chapter 40, Importation, Manufacturing,
20 Distribution and Storage of Explosive Materials;

21 (c) The U.S. Department of Transportation;

22 (d) The federal Mine Safety and Health Administration; or

23 (e) The federal Occupational Safety and Health Administration;

24 (4) Investigate possible violations of sections 319.300 to 319.345

25 upon the complaint of any citizen that believes explosives are being

26 used in such a way to endanger the public's safety or property, or upon

27 any cause for the state fire marshal to believe that a violation is

28 occurring. To conduct such investigations, the state fire marshal shall

29 assign adequately trained personnel within the division of fire safety

30 to inspect blasting sites, examine records and seismograph recordings,

31 inspect blaster's licenses, inspect registration and reporting records

32 required by section 319.315, or determine if any other provision of

33 sections 319.300 to 319.345 has been violated. Such inspectors shall be

34 employees of the division of fire safety and may act on a full-time or

35 part-time basis. Any such inspector shall meet the requirements of

36 section 319.306 for being licensed as a blaster in the state of Missouri;

37 (5) Receive and provide information and assistance, in

38 cooperation with local governments, federal agencies, and agencies of

39 other states, in administration and enforcement of sections 319.300 to

40 319.345 and similar laws, regulations, and requirements in other

41 jurisdictions.

42 2. The division of fire safety may enforce any provision of

43 sections 319.300 to 319.345 by referral of violations to the attorney

44 general or a prosecuting attorney and may seek criminal penalties and

45 may seek injunctive relief. For any matter upon which a hearing is

46 held under subdivision (3) of subsection 7 of section 319.324, any

47 referral of a notice of violation or request for criminal or civil

48 enforcement action or injunctive relief shall be made by the state fire

49 marshal to the attorney general or a prosecuting attorney, only upon

50 a majority vote by the board.

319.330. There is hereby created in the state treasury the

2 "Missouri Explosives Safety Act Administration Fund", which shall

3 consist of all fees collected under sections 319.300 to 319.345,
4 appropriations of the general assembly, federal grants, and private
5 donations. The state treasurer shall be custodian of the fund. In
6 accordance with sections 30.170 and 30.180, RSMo, the state treasurer
7 may approve disbursements. Upon appropriation, money in the fund
8 shall be used solely for the administration of sections 319.300 to
9 319.345. Notwithstanding the provisions of section 33.080, RSMo, to the
10 contrary, any moneys remaining in the fund at the end of the biennium
11 shall not revert to the credit of the general revenue fund. The state
12 treasurer shall invest moneys in the fund in the same manner as other
13 funds are invested. Any interest and moneys earned on such
14 investments shall be credited to the fund. The state fire marshal shall
15 submit a report to the state blasting safety board and the public each
16 year that describes the revenue created by fees established under the
17 provisions of sections 319.300 to 319.345 and how the revenue was
18 expended to enforce the provisions of sections 319.300 to 319.345,
19 including the number of employees used and activities performed.

319.333. Any individual or person using explosives who the state
2 fire marshal or his or her representative determines, upon substantial
3 evidence, to be in violation of sections 319.300 to 319.345 may be issued
4 a notice of violation by the division of fire safety. Any hearings
5 regarding suspension or revocation of a blaster's license shall be
6 conducted under the provisions of subsection 10 of section 319.306,
7 rather than the provisions of this section. The notice of violation shall
8 be in writing and shall state the section or sections violated and the
9 circumstance of the violation, including date, place, person involved,
10 and the act or omission constituting the violation. The notice shall also
11 inform the person receiving the notice of the right to request a hearing
12 before the state blasting safety board. The recipient may request a
13 hearing within forty-five days of the date the notice was received. If
14 a hearing is requested, the state fire marshal shall immediately inform
15 the chairman of the board. The person receiving the notice, the state
16 fire marshal, and the chairman of the board shall establish a mutually
17 acceptable date and place for the hearing, which in no case shall be
18 more than thirty days after the hearing was requested. The hearing
19 shall be conducted as an uncontested case, although the person or the
20 state fire marshal may be represented by an attorney. Within fifteen

21 days of such hearing, the board shall notify the person of its decision
22 on the appeal, which may include upholding, modifying, or
23 disapproving the notice of violation. The board's action upon the
24 appeal shall be decided by majority vote. If the notice of violation is
25 upheld by the board, in whole or part, upon a separate majority vote of
26 the board, the person may be referred for enforcement action as
27 provided in section 319.327.

319.336. Any individual aggrieved by any official action of the
2 state blasting safety board or the division of fire safety affecting their
3 license status, including revocation, suspension, failure to renew, or
4 refusal to grant a license may seek a determination thereon by the
5 administrative hearing commission under the provisions of section
6 621.045, RSMo.

319.339. 1. Any person using explosives within Missouri shall
2 notify the division of fire safety in writing or by telephone at least two
3 business days in advance of first using explosives at a site where
4 blasting has not been previously conducted. If blasting will be
5 conducted at an ongoing project, such as a long term construction
6 project, or at a permanent site, such as a surface mine, the person shall
7 only be required to make one notice to the division of fire safety in
8 advance of the first use of explosives.

9 2. The notice required by this section shall state the name,
10 address, and telephone number of the person using explosives, the
11 name of the individual responsible for supervision of blasting, the date
12 or approximate period over which blasting will be conducted, the
13 location of blasting by street address, route, or other description, and
14 the nature of the project or reason for blasting.

15 3. This section shall not apply to any blasting required by a
16 contract with any agency of the state of Missouri, any federal agency,
17 or any political subdivision.

319.342. 1. Any person using explosives which will conduct
2 blasting within the jurisdiction of a municipality shall notify the
3 appropriate representative of the municipality in writing or by
4 telephone at least two business days in advance of blasting at that
5 location. An appropriate representative shall be deemed to be the city's
6 public works department, code enforcement official, or an official at
7 the main office maintained by the municipality. In any area where

8 blasting will be conducted, whether in a municipality or in an
9 unincorporated area, the person using explosives also shall notify the
10 appropriate fire protection official for the jurisdiction where blasting
11 will occur, which may be a city fire department, fire protection district,
12 or volunteer fire protection association. The notice required by this
13 section shall state the name, address, and telephone number of the
14 person using explosives, the name of the individual responsible for
15 supervision of blasting, the date or approximate period over which
16 blasting will be conducted, the location of blasting by street address,
17 route, or other description, and the nature of the project or reason for
18 blasting. If blasting will be conducted at an ongoing project, such as
19 a long term construction project, or at a permanent site, such as a
20 surface mine, the person shall only be required to make one notice to
21 the municipality or appropriate fire protection official in advance of
22 the first use of explosives. Any such ongoing projects or permanent
23 sites in existence at the time of the effective date of sections 319.300 to
24 319.345 shall not be required to provide notice as described in this
25 subsection.

26 2. Any person using explosives which will conduct blasting
27 within the jurisdiction of a municipality shall notify the owner or
28 occupant of any residence or business located within a scaled distance
29 of fifty-five feet from the site of blasting prior to the start of blasting
30 at any new location. One notification by mail, telephone, printed
31 notification posted prominently on the premises or the property of the
32 owner or occupant of the residence or business, or delivered in person
33 to any such owner or occupant meets the requirements of this
34 subsection. A municipality may provide the name, last known address,
35 and telephone number of the owners or occupants of any residence or
36 business that may be located within the scaled distance of fifty-five feet
37 from the site of blasting to the person using explosives upon request.

38 3. Any municipality or county may by ordinance:

39 (1) Require that a permit be obtained in addition to the notice
40 required by subsection 1 of this section, with such application for
41 permit being due no more than ten days prior to the first use of
42 explosives;

43 (2) Require that the application for the permit contain specific
44 information about the type of explosives to be used and their storage

45 location at the site where used;

46 (3) Require the applicant to demonstrate an acceptable plan for
47 signage or other means of informing the public of blasting in proximity
48 to public streets or highways and any request for temporary closing of
49 streets or routing of traffic;

50 (4) Specify the times of days blasting may be conducted, which
51 shall not be less than eight consecutive hours, and provide that blasting
52 may not be conducted on Sunday except upon application of the person
53 using explosives and approval by the municipality;

54 (5) Require that the applicant submit proof that the person using
55 explosives is registered with the division of fire safety and that blasting
56 will be conducted by a licensed blaster;

57 (6) Require that the applicant submit proof of commercial
58 general liability insurance in an acceptable amount, which shall be no
59 less than one million dollars and no more than five million dollars; and

60 (7) Require that the applicant conduct a pre-blast survey of any
61 uncontrolled structures within a scaled distance of fifty-five feet from
62 the blast site.

63 4. A permit for blasting under a municipal ordinance authorized
64 by subsection 3 of this section shall be granted by the municipality
65 upon satisfying the requirements of the ordinance and upon the
66 applicant's payment of a reasonable fee to cover the administration of
67 the permit system.

68 5. Any authorized representative of a municipality, county or an
69 appropriate fire protection official may:

70 (1) Require any person using explosives to show proof that he or
71 she is registered with the division of fire safety and blasting is being
72 conducted by an individual that is licensed under the provisions of
73 section 319.306;

74 (2) Request and be allowed access to the site of blasting by the
75 person using explosives and shall be allowed to observe blasting from
76 a safe location as designated by the blaster;

77 (3) Examine records of blasting required to be maintained by
78 sections 319.309 and 319.315. However, no municipality or fire
79 protection official shall require a person using explosives or a blaster
80 to surrender such records or a copy of such records to the municipality
81 or fire protection official;

82 **(4) Report suspected violations of section 319.300 to 319.345 to**
83 **the division of fire safety.**

84 **6. Subsections 1, 2, 3, and 4 of this section shall not apply to any**
85 **blasting required by a construction contract with any agency of the**
86 **state of Missouri, any federal agency, or any political subdivision.**

87 **7. The state of Missouri hereby preempts existing regulation,**
88 **licensing, and inspection of persons using explosives, blasters, and**
89 **blasting by local governments, except as authorized in this section. It**
90 **shall be unlawful for any local government to impose any future**
91 **ordinance, order, permit or regulation upon persons using explosives**
92 **or blasters which duplicates, exceeds or conflicts with the requirements**
93 **of sections 319.300 to 319.345, unless such ordinance, order, permit, or**
94 **regulation, in effect as of January 1, 2007, shall exclusively regulate the**
95 **use of explosives at the site of a quarry in any county with a charter**
96 **form of government and with more than two hundred fifty thousand but**
97 **fewer than three hundred fifty thousand inhabitants. For purposes of**
98 **this section, the term "quarry" shall include any place where rock, ore,**
99 **stone, or similar materials are excavated for sale or off-premise use. A**
100 **quarry shall not include the removal or relocation of rock, stone, or**
101 **earth incidental to the construction of residential, commercial, or**
102 **industrial buildings. Nothing in this section shall preempt the rights**
103 **and remedies afforded by the general assembly or common law to**
104 **persons damaged by blasting.**

319.345. Any rule or portion of a rule, as that term is defined in
2 **section 536.010, RSMo, that is created under the authority delegated in**
3 **sections 319.300 to 319.345 shall become effective only if it complies**
4 **with and is subject to all of the provisions of chapter 536, RSMo, and,**
5 **if applicable, section 536.028, RSMo. This section and chapter 536,**
6 **RSMo, are nonseverable and if any of the powers vested with the**
7 **general assembly pursuant to chapter 536, RSMo, to review, to delay**
8 **the effective date, or to disapprove or annul a rule are subsequently**
9 **held unconstitutional, then the grant of rulemaking authority and any**
10 **rule proposed or adopted after August 28, 2007, shall be invalid and**
11 **void.**